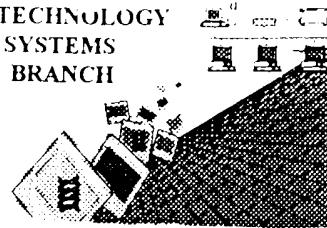# RAW SEQUENCE LISTING
# ERROR REPORT

The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) detected errors when processing the following computer readable form:

Application Serial Number: _____ IL |LSC 216.7

Source: _____ C1 PS

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**FOR CRF SUBMISSION QUESTIONS, PLEASE CONTACT MARK SPENCER, 703-308-4212.**

**FOR SEQUENCE RULES INTERPRETATION, PLEASE CONTACT ROBERT WAX, 703-308-4216.**
PATENTIN 2.1 e-mail help: **patin21help@uspto.gov** or phone 703-306-4119 (R. Wax)
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Applicants submitting genetic sequence information electronically on diskette or CD-Rom should be aware that there is a possibility that the disk/CD-Rom may have been affected by treatment given to all incoming mail. Please consider using alternate methods of submission for the disk/CD-Rom or replacement disk/CD-Rom. Any reply including a sequence listing in electronic form should NOT be sent to the 20231 zip code address for the United States Patent and Trademark Office, and instead should be sent via the following to the indicated addresses:

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2. **U.S. Postal Service:** U.S. Patent and Trademark Office, Box Sequence, P.O. Box 2327, Arlington, VA 22202
3. **Hand Carry directly to:**
   U.S. Patent and Trademark Office, Technology Center 1600, Reception Area, 7th Floor, Examiner Name, Sequence Information, Crystal Mall One, 1911 South Clark Street, Arlington, VA 22202
          Or
   U.S. Patent and Trademark Office, Box Sequence, Customer Window, Lobby, Room 1B03, Crystal Plaza Two, 2011 South Clark Place, Arlington, VA 22202
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Revised 01/29/2002

OIPE

**Does** Not Comply
**Corrected** Diskette **Needed**

RAW SEQUENCE LISTING                     DATE: 06/28/2002
PATENT APPLICATION:   US/10/050,216A     TIME: 11:16:21

Input Set : A:\CORRECTEDSEQUENCE LISTING.txt
Output Set: N:\CRF3\06282002\J050216A.raw

```
 4 <110> APPLICANT: Curtis, Rory A.J., Lora, Jose M.
 6 <120> TITLE OF INVENTION: 46798, A Human Matrix Metalloprotease and
 7       Uses Therefore
 9 <130> FILE REFERENCE: MPI2001-014P1RNM
11 <140> CURRENT APPLICATION NUMBER: 10/050,216A
13 <141> CURRENT FILING DATE: 2002-01-16
15 <150> PRIOR APPLICATION NUMBER: 60/262,252
17 <151> PRIOR FILING DATE: 2001-01-16
19 <160> NUMBER OF SEQ ID NOS: 10
21 <170> SOFTWARE: FastSEQ for Windows Version 4.0
```

ERRORED SEQUENCES

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746 <210> SEQ ID NO: 10
747 <211> LENGTH: 1560
748 <212> TYPE: DNA
749 <213> ORGANISM: Homo sapiens
751 <220> FEATURE:
752 <221> NAME/KEY: CDS
753 <222> LOCATION: (1)...(1560)
755 <400> SEQUENCE: 10
756 atg gtc gcg cgc gtc ggc ctc ctg ctg cgc gcc ctg cag ctg cta ctg    48
757 Met Val Ala Arg Val Gly Leu Leu Leu Arg Ala Leu Gln Leu Leu Leu
758  1               5                  10                  15
760 tgg ggc cac ctg gac gcc cag ccc gcg gag cgc gga ggc cag gag ctg  · 96
761 Trp Gly His Leu Asp Ala Gln Pro Ala Glu Arg Gly Gly Gln Glu Leu
762             20                  25                  30
764 cgc aag gag gcg gag gca ttc cta gag aag tac gga tac ctc aat gaa   144
765 Arg Lys Glu Ala Glu Ala Phe Leu Glu Lys Tyr Gly Tyr Leu Asn Glu
766         35                  40                  45
768 cag gtc ccc aaa gct ccc acc tcc act cga ttc agc gat gcc atc aga   192
769 Gln Val Pro Lys Ala Pro Thr Ser Thr Arg Phe Ser Asp Ala Ile Arg
770         50                  55                  60
772 gcg ttt cag tgg gtg tcc cag cta cct gtc agc ggc gtg ttg gac cgc   240
773 Ala Phe Gln Trp Val Ser Gln Leu Pro Val Ser Gly Val Leu Asp Arg
774  65                  70                  75                  80
776 gcc acc ctg cgc cag atg act cgt ccc cgc tgc ggg gtt aca gat acc   288
777 Ala Thr Leu Arg Gln Met Thr Arg Pro Arg Cys Gly Val Thr Asp Thr
778                 85                  90                  95
780 aac agt tat gcg gcc tgg gct gag agg atc agt gac ttg ttt gct aga   336
781 Asn Ser Tyr Ala Ala Trp Ala Glu Arg Ile Ser Asp Leu Phe Ala Arg
782                 100                 105                 110
```

RAW SEQUENCE LISTING                     DATE: 06/28/2002
PATENT APPLICATION:   US/10/050,216A     TIME: 11:16:21

Input Set : A:\CORRECTEDSEQUENCE LISTING.txt
Output Set: N:\CRF3\06282002\J050216A.raw

```
784 cac cgg acc aaa atg agg cgt aag aaa cgc ttt gca aag caa ggt aac    384
785 His Arg Thr Lys Met Arg Arg Lys Lys Arg Phe Ala Lys Gln Gly Asn
786         115             120             125
788 aaa tgg tac aag cag cac ctc tcc tac cgc ctg gtg aac tgg cct gag    432
789 Lys Trp Tyr Lys Gln His Leu Ser Tyr Arg Leu Val Asn Trp Pro Glu
790         130             135             140
792 cat ctg ccg gag ccg gca gtt cgg ggc gcc gtg cgc gcc gcc ttc cag    480
793 His Leu Pro Glu Pro Ala Val Arg Gly Ala Val Arg Ala Ala Phe Gln
794 145             150             155             160
796 ttg tgg agc aac gtc tca gcg ctg gag ttc tgg gag gcc cca gcc aca    528
797 Leu Trp Ser Asn Val Ser Ala Leu Glu Phe Trp Glu Ala Pro Ala Thr
798             165             170             175
800 ggc ccc gct gac atc cgg ctc acc ttc ttc caa ggg gac cac aac gat    576
801 Gly Pro Ala Asp Ile Arg Leu Thr Phe Phe Gln Gly Asp His Asn Asp
802             180             185             190
804 ggg ctg ggc aat gcc ttt gat ggc cca ggg ggc gcc ctg gcg cac gcc    624
805 Gly Leu Gly Asn Ala Phe Asp Gly Pro Gly Gly Ala Leu Ala His Ala
806             195             200             205
808 ttc ctg ccc cgc cgc ggc gaa gcg cac ttc gac caa gat gag cgc tgg    672
809 Phe Leu Pro Arg Arg Gly Glu Ala His Phe Asp Gln Asp Glu Arg Trp
810         210             215             220
812 tcc ctg agc cgc cgc cgc ggg cgc aac ctg ttc gtg gtg ctg gcg cac    720
813 Ser Leu Ser Arg Arg Arg Gly Arg Asn Leu Phe Val Val Leu Ala His
814 225             230             235             240
816 gag atc ggt cac acg ctt ggc ctc acc cac tcg ccc gcg ccg cgc gcg    768
817 Glu Ile Gly His Thr Leu Gly Leu Thr His Ser Pro Ala Pro Arg Ala
818             245             250             255
820 ctc atg gcg ccc tac tac aag agg ctg ggc cgc gac gcg ctg ctc agc    816
821 Leu Met Ala Pro Tyr Tyr Lys Arg Leu Gly Arg Asp Ala Leu Leu Ser
822             260             265             270
824 tgg gac gac gtg ctg gcc gtg cag agc ctg tat ggg aag ccc cta ggg    864
825 Trp Asp Asp Val Leu Ala Val Gln Ser Leu Tyr Gly Lys Pro Leu Gly
826             275             280             285
828 ggc tca gtg gcc gtc cag ctc cca gga aag ctg ttc act gac ttt gag    912
829 Gly Ser Val Ala Val Gln Leu Pro Gly Lys Leu Phe Thr Asp Phe Glu
830         290             295             300
832 acc tgg gac tcc tac agc ccc caa gga agg cgc cct gaa acg cag ggc    960
833 Thr Trp Asp Ser Tyr Ser Pro Gln Gly Arg Arg Pro Glu Thr Gln Gly
834 305             310             315             320
836 cct aaa tac tgc cac tct tcc ttc gat gcc atc act gta gac agg caa    1008
837 Pro Lys Tyr Cys His Ser Ser Phe Asp Ala Ile Thr Val Asp Arg Gln
838             325             330             335
840 cag caa ctg tac att ttt aaa ggg agc cat ttc tgg gag gtg gca gct    1056
841 Gln Gln Leu Tyr Ile Phe Lys Gly Ser His Phe Trp Glu Val Ala Ala
842             340             345             350
844 gat ggc aac gtc tca gag ccc cgt cca ctg cag gaa aga tgg gtc ggg    1104
845 Asp Gly Asn Val Ser Glu Pro Arg Pro Leu Gln Glu Arg Trp Val Gly
846             355             360             365
848 ctg ccc ccc aac att gag gct gcg gca gtg tca ttg aat gat gga gat    1152
```

```
849 Leu Pro Pro Asn Ile Glu Ala Ala Ala Val Ser Leu Asn Asp Gly Asp
850     370             375             380
852 ttc tac ttc ttc aaa ggg ggt cga tgc tgg agg ttc cgg ggc ccc aag   1200
853 Phe Tyr Phe Phe Lys Gly Gly Arg Cys Trp Arg Phe Arg Gly Pro Lys
854 385             390             395             400
856 cca gtg tgg ggt ctc cca cag ctg tgc cgg gca ggg ggc ctg ccc cgc   1248
857 Pro Val Trp Gly Leu Pro Gln Leu Cys Arg Ala Gly Gly Leu Pro Arg
858             405             410             415
860 cat cct gac gcc gcc ctc ttc ttc cct cct ctg cgc cgc ctc atc ctc   1296
861 His Pro Asp Ala Ala Leu Phe Phe Pro Pro Leu Arg Arg Leu Ile Leu
862             420             425             430
864 ttc aag ggt gcc cgc tac tac gtg ctg gcc cga ggg gga ctg caa gtg   1344
865 Phe Lys Gly Ala Arg Tyr Tyr Val Leu Ala Arg Gly Gly Leu Gln Val
866             435             440             445
868 gag ccc tac tac ccc cga agt ctg cag gac tgg gga ggc atc cct gag   1392
869 Glu Pro Tyr Tyr Pro Arg Ser Leu Gln Asp Trp Gly Gly Ile Pro Glu
870     450             455             460
872 gag gtc agc ggc gcc ctg ccg agg ccc gat ggc tcc atc atc ttc ttc   1440
873 Glu Val Ser Gly Ala Leu Pro Arg Pro Asp Gly Ser Ile Ile Phe Phe
874 465             470             475             480
876 cga gat gac cgc tac tgg cgc ctc gac cag gcc aaa ctg cag gca acc   1488
877 Arg Asp Asp Arg Tyr Trp Arg Leu Asp Gln Ala Lys Leu Gln Ala Thr
878             485             490             495
880 acc tcg ggc cgc tgg gcc acc gag ctg ccc tgg atg ggc tgc tgg cat   1536
881 Thr Ser Gly Arg Trp Ala Thr Glu Leu Pro Trp Met Gly Cys Trp His
882             500             505             510
884 gcc aac tcg ggg agc gcc ctg ttc tga                               1563
885 Ala Asn Ser Gly Ser Ala Leu Phe  *
886             515             520
E--> 888 ( - 7 - )
```

-delete
deleted

**VERIFICATION SUMMARY**
PATENT APPLICATION:   US/10/050,216A

DATE:  06/28/2002
TIME:  11:16:22

Input Set : **A:\CORRECTEDSEQUENCE LISTING.txt**
Output Set: **N:\CRF3\06282002\J050216A.raw**

```
L:13  M:271 C: Current Filing Date differs, Replaced Current Filing Date
L:489 M:281 W: Numeric Fields not Ordered, <221> Sort in ascending order!
L:490 M:281 W: Numeric Fields not Ordered, <222> Sort in ascending order!
L:491 M:258 W: Mandatory Feature missing, <220> not found for SEQ ID#:7
L:493 M:281 W: Numeric Fields not Ordered, <221> Sort in ascending order!
L:494 M:281 W: Numeric Fields not Ordered, <222> Sort in ascending order!
L:495 M:258 W: Mandatory Feature missing, <220> not found for SEQ ID#:7
L:498 M:281 W: Numeric Fields not Ordered, <221> Sort in ascending order!
L:499 M:281 W: Numeric Fields not Ordered, <222> Sort in ascending order!
L:500 M:258 W: Mandatory Feature missing, <220> not found for SEQ ID#:7
L:503 M:281 W: Numeric Fields not Ordered, <221> Sort in ascending order!
L:504 M:281 W: Numeric Fields not Ordered, <222> Sort in ascending order!
L:505 M:258 W: Mandatory Feature missing, <220> not found for SEQ ID#:7
L:508 M:258 W: Mandatory Feature missing, <220> not found for SEQ ID#:7
L:509 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:7 after pos.:0
L:888 M:254 E: No. of Bases conflict, this line has no nucleotides.
L:888 M:252 E: No. of Seq. differs, <211> LENGTH:Input:1560 Found:1563 SEQ:10
```